



SERVICE BULLETIN

Health Imaging Products

Eastman Kodak Company, Health Imaging, Rochester, NY 14650

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3444 Kodak X-Omat MULTILOADER 7000

3466 Kodak X-Omat 3000 RA INTEGRATED PROCESSOR in a Kodak X-Omat MULTILOADER 7000

3429 Kodak X-Omat MULTILOADER 7000 DARKROOM FILM FEEDER

Announcing the New Kodak X-Omat MULTILOADER 7000:

The new *Kodak X-Omat MULTILOADER 7000*, **Cat No. 116-1967**, is now available for sale. This new MULTILOADER will eventually replace the current *Kodak X-Omat MULTILOADER 300 PLUS* and the *MULTILOADER 700 PLUS*.

Product Description of the MULTILOADER 7000

The MULTILOADER 7000 is a Health Imaging Division automatic cassette load and unload film handling and processing system. It is similar to the MULTILOADER 300 PLUS, using the same basic design for the film transport, and a similar 3000 RA INTEGRATED PROCESSOR. Following is a list of some of the similarities and differences between the new MULTILOADER 7000 and the MULTILOADER 300 PLUS:

- The magazine section of the MULTILOADER 7000 has the capacity for 7 magazines.
- You must use the new *KODAK X-Omat MULTILOADER 7000/700/300 UNIVERSAL MAGAZINE* with the MULTILOADER 7000. This magazine has a capacity of approximately 110 sheets of film, and is compatible with the MULTILOADER 300/300 PLUS and the MULTILOADER 700/700 PLUS.
- The overall height of the MULTILOADER 7000 is about 5 in. (12.7 cm) higher than the MULTILOADER 300 PLUS, while the footprint is approximately the same.
- The Side and Rear Panels can now be removed independently of each other, however the hinged Top Cover must be raised before removing the Side Panels.
- In order to get 4 more magazines in a space only 5 in. (12.7 cm) higher than the MULTILOADER 300, it was necessary to stack the magazines very closely together. The new Magazine Shuttle Mechanism moves the appropriate Magazine from the "home" position near the front of the machine, to the film pick-up position where the Magazine Cover is opened to allow access by the Film Picker Assembly.
- The cassette cycle time and processor transport speed are essentially unchanged.
- The Operator Interface shows warning, error, and informational messages on a Display, similar to the MULTILOADER 300 PLUS.

The MULTILOADER 7000 operates with the following Cassettes and Film Holders:

Type of Cassettes	Sizes		
Min-R 2 Cassettes	•18 x 24 cm	•24 x 30 cm	
Video Film Holder	•8 x 10 inch	(this has been discontinued by <i>Kodak</i>)	
X-Omat and X-Omatic Cassettes	•20 x 40 cm •30 x 35 cm •35 x 43 cm •11 x 14 inches	•18 x 24 cm •24 x 24 cm •30 x 40 cm •8 x 10 inches	•18 x 43 cm •24 x 30 cm •35 x 35 cm •10 x 12 inches
Kodak Oncology Cassettes	All sizes (Therapy L&V and EC-L &EC-V systems)		

Servicing the MULTILOADER 7000

It is expected that the current world-wide Field Engineers and Dealer Service Providers who have been trained on the MULTILOADER 300 PLUS can service this equipment with some additional training for the components which are new or changed from the MULTILOADER 300 PLUS. Service personnel previously trained on the MULTILOADER 300 PLUS will not require any formal classroom training to service the new MULTILOADER, however they must complete the Training CD for the MULTILOADER 7000.

Training CD for the MULTILOADER 7000

The Training CD, **pn 7E6972**, is available and in stock at Service Parts Management.

Operators and Key Operators

An Operator or Key Operator who can operate a MULTILOADER 300 PLUS, can operate the MULTILOADER 7000 with the aid of the new MULTILOADER 7000 User Guide. Additionally, there will soon be an Operator Training Video available from your *Kodak* representative.

Operating Software for the MULTILOADER 7000

The Operating Software for the MULTILOADER 7000 will be available at Service Parts Management on both CD and Floppy Disks, and will come with complete Installation Instructions for downloading to your laptop and to the MULTILOADER 7000. The Operating Software will be shipped with the MULTILOADER 7000 on Floppy Disks only.

Here are the part numbers for the Operating Software for the MULTILOADER 7000:

Operating Software	CD (Packed)	9408421P
Operating Software	Floppy Disk (Packed)	9408431P

Service Software for the MULTILOADER 7000

A major change for the Service Software, is that it is now *MS Windows* based. The software will run on the following versions of *Windows*:

- *Windows 95*
- *Windows 98*
- *Windows 2000*
- *Windows NT*

The new software is more user-friendly and easier to use, because of its similarity to other *Windows* based applications. Starting with Version 1.2, the *Windows* based Service Software is backwardly compatible with the MULTILOADER 300/300 PLUS. The Service Software will be shipped with the MULTILOADER 7000, on Floppy Disks only. Here are the part numbers for the Service Software:

Service Software	CD (Packed)	9408441P
Service Software	2 Floppy Disks (Packed)	9408451P

Publications for the MULTILOADER 7000

All publications for the MULTILOADER 7000 are stocked at Service Parts Management and can be ordered individually, as complete binders, or as a package (PK) . Following is a listing of the pubs and pub numbers:

MULTILOADER 7000	
Pub Name:	Part No.
Publications CD Includes all Pubs in electronic form for both the MULTILOADER 7000 and the 3000 INTEGRATED PROCESSOR.	4E5170
Complete Package (PK) Includes all Pubs in paper form for the MULTILOADER 7000, the DARKROOM FILM FEEDER and the 3000 INTEGRATED PROCESSOR.	003444PK
Complete Binder Includes all the individual MULTILOADER 7000 pubs below, with a 3-Ring Binder and Section Dividers	3H9327
User Guide [Includes 3000 RA PROCESSOR]	7E6174
Site Specifications [Includes 3000 RA PROCESSOR] [Includes DARKROOM FILM FEEDER]	5E9997
Installation Instructions [Includes 3000 RA PROCESSOR] [Includes DARKROOM FILM FEEDER]	5E9998
Adjustments & Replacements	5E9999
Preventive Maintenance	3H9263
Diagnostics Manual	3H9266
Component Locator	3H9264
Parts List [Includes DARKROOM FILM FEEDER]	3H9267
Theory Guide	3H9268
Wiring Diagrams	3H9265
Also available, but not included in the PK:	
Footprint	7E6353

An English version of the MULTILOADER 7000 User Guide will be delivered with the MULTILOADER 7000.

The following language versions are also available from Service Parts Management:

Swedish - 7E6174_SV	Danish - 7E6174_DA	Portuguese - 7E6174_PT
French - 7E6174_FR	Dutch - 7E6174_NL	Spanish - 7E6174_ES
Italian - 7E6174_IT	Finnish - 7E6174_FI	
German - 7E6174_DE	Norwegian - 7E6174_NO	

Announcing the New Kodak X-Omat 3000 RA PROCESSOR in a MULTILOADER 7000:

The *Kodak X-Omat* 3000 RA INTEGRATED PROCESSOR in a *Kodak X-Omat* MULTILOADER 7000 is similar to the 3000 RA PROCESSOR in the MULTILOADER 300 PLUS.

Product Description of the 3000 RA PROCESSOR

The 3000 RA PROCESSOR is a general-purpose radiographic film processor, with 3 user-selectable film processing transport speeds- Standard, Rapid, and Kwik RA. The processing parameters are factory pre-set, but can easily be modified by the user. Other Processor features include automatic chemical replenishment based on film area, and a temperature-selectable dryer.

Servicing the 3000 RA PROCESSOR

From a service standpoint, the 3000 RA INTEGRATED PROCESSOR in the MULTILOADER 7000 is very similar to the 3000 RA in the MULTILOADER 300 PLUS. The major differences between the Processors are:

- The new 3000 RA PROCESSOR uses the 5000 Circuit Board, instead of the 500 Board which was used in 3000 RA in the MULTILOADER 300 PLUS
- There is a new Dryer Rack which has an extended Dryer Exit section. This extension is necessitated by the longer distance resulting from the newly designed Front Panel of the MULTILOADER 7000. The Dryer Rack is not interchangeable with other 3000 RA PROCESSORS. The Parts List shows the details of these new parts.
- The majority of the other parts are interchangeable with the 3000 PROCESSOR in the 300 PLUS. Please consult the new Illustrated Parts List for correct part numbers.

Training for the 3000 RA PROCESSOR

Service personnel previously trained on the 3000 RA PROCESSOR in a MULTILOADER 300 PLUS, will not require any training to service the new 3000 RA PROCESSOR.

Operating and Diagnostic Software for the 3000 RA PROCESSOR

The Operating and Diagnostic Software is available at Service Parts Management on Floppy Disks. The Operating and Diagnostic software is also shipped with the MULTILOADER 7000:

Operating Software	Floppy Disk (Packed)	6E5137
Processor Diagnostics	Floppy Disk (Packed)	7E6705

Publications for the MULTILOADER 7000

All publications for the 3000 INTEGRATED PROCESSOR in the MULTILOADER 7000 are stocked at Service Parts Management and can be ordered individually, as complete binders, or as a package (PK) . Following is a listing of the pubs and pub numbers:

3000 RA INTEGRATED PROCESSOR in a MULTILOADER 7000 Service Code 3466	Pub No.
Pub Name: Publications CD Includes all Pubs in electronic form for both the MULTI LOADER 7000 and the 3000 INTEGRATED PROCESSOR.	4E5170
Complete Package (PK) Includes all Pubs in paper form for <u>both</u> the MULTI LOADER 7000 and the 3000 INTEGRATED PROCESSOR.	003444PK
Complete Binder for the 3000 RA INTEGRATED PROCESSOR Includes all the individual 3000 RA pubs below, with a 3-Ring Binder and Section Dividers	3H9566
Adjustments and Replacements	3H9568
Preventive Maintenance	3H9569
Diagnostics	3H9572
Component Locator	3H9570
Diagrams	3H9571
Illustrated Parts List	3H9573
Theory Guide	3H9574

Announcing the New Kodak X-Omat MULTILOADER 7000 DARKROOM FILM FEEDER:

The new *Kodak X-Omat* MULTILOADER 7000 DARKROOM FILM FEEDER, Cat. No. 180-4715, is now available for sale. This new DARKROOM FILM FEEDER is exclusively for the MULTILOADER 7000, and is not backwardly compatible with the MULTILOADER 300/300 PLUS.

IMPORTANT: In order to operate the DARKROOM FILM FEEDER you must have Operating Software Version 1.20 or higher in the MULTILOADER 7000.

Product Description

The DARKROOM FILM FEEDER, is a field-installed accessory for the MULTILOADER 7000, which allows through-the-wall installation of the MULTILOADER 7000, and enables the customer to process non-standard or infrequently used film sizes through the Processor section of the MULTILOADER 7000. Film processing is still possible through the DARKROOM FILM FEEDER, even if the cassette handling section of the MULTILOADER is inoperative due to a malfunction. The DARKROOM FILM FEEDER comes with all the parts necessary to allow through-the-wall installations, including the plywood to be attached to the wall, and light-tight Foam and Sealant.

Publications for the DARKROOM FILM FEEDER

All publications for the DARKROOM FILM FEEDER are stocked at Service Parts Management and can be ordered individually. Following is a listing of the pubs and pub numbers:

MULTILOADER 7000 DARKROOM FILM FEEDER	
Pub Name:	Part No.
User Guide- DARKROOM FILM FEEDER	7E6700
Site Specifications [Includes 3000 RA PROCESSOR] [Includes MULTILOADER 7000]	5E9997
Installation Instructions [Includes 3000 RA PROCESSOR] [Includes MULTILOADER 7000]	5E9998
Parts List [Includes MULTILOADER 7000]	3H9267

An English version of the User Guide will be delivered with the DARKROOM FILM FEEDER. The following language versions are also available from Service Parts Management:

Swedish - 7E6700_SV	Danish - 7E6700_DA	Portuguese - 7E6700_PT
French - 7E6700_FR	Dutch - 7E6700_NL	Spanish - 7E6700_ES
Italian - 7E6700_IT	Finnish - 7E6700_FI	
German - 7E6700_DE	Norwegian - 7E6700_NO	

Announcing the New *Kodak X-Omat* MULTILOADER 7000/700/300 UNIVERSAL MAGAZINE:

The new MULTILOADER 7000/700/300 UNIVERSAL MAGAZINE, Cat No. 134-7582, is required for the MULTILOADER 7000. The MULTILOADER 7000 is shipped with 3 magazines, but depending on site needs, the MULTILOADER can hold up to 4 more magazines. The new UNIVERSAL MAGAZINE has indentations along the side of the cover for the placement of recognition stickers used to determine film size and film type. You can also install code brackets on the UNIVERSAL MAGAZINE, which makes them fully compatible with the MULTILOADER 700/700 PLUS, and 300/300 PLUS,

Publication Mailings:

US Distributors:

One complete set of publications **on a CD** will be sent to each authorized *Kodak* Distributor location.

Kodak Personnel:

All personnel currently on the mailing plan for the MULTILOADER 300/300 PLUS (PL 3058) have been placed on the new mailing plan for the MULTILOADER 7000 (PL 3444), and will be sent one complete set of publications **on a CD**.

Larry Weishaar, Service Engineer- Rochester

For More Information:

U.S. Distributors Contact:

Health Imaging

Customer Support Operations:

1-800-336-4722

GCSS Personnel Contact:

Film Handling TAC:

United States: 1-800-822-1414

Canada: 1-800-433-1414

International: 716-724-4675

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